

SEQUENCE LISTING

- (1) GENERAL INFORMATION:
 - (i) APPLICANT: NEBOJSA JANJIC, LARRY GOLD
 - (ii) TITLE OF THE INVENTION: PLATELET DERIVED GROWTH FACTOR (PDGF) NUCLEIC ACID LIGAND COMPLEXES
 - (iii) NUMBER OF SEQUENCES: 149
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Swanson and Bratschun, L.L.C.
 - (B) STREET: 1745 Shea Center Drive, Suite 330
 - (C) CITY: Highlands Ranch
 - (D) STATE: Colorado
 - (E) COUNTRY: USA
 - (F) ZIP: 80129
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage
 - (B) COMPUTER: IBM compatible
 - (C) OPERATING SYSTEM: MS-DOS
 - (D) SOFTWARE: Word 97
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/991,743
 - (B) FILING DATE: 16-DECEMBER-1997
 - (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/618,693
 - (B) FILING DATE: 20-MARCH-1996
 - (viii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/479,783
 - (B) FILING DATE: 7-JUNE-1995
 - (viii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/479,725
 - (B) FILING DATE: 7-JUNE-1995
 - (ix) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Barry J. Swanson
 - (B) REGISTRATION NUMBER: 33,215
 - (C) REFERENCE/DOCKET NUMBER: NEX66
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (303) 268-0066
 - (B) TELEFAX: (303) 268-0065

- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 86 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ATCCGCCTGA TTAGCGATAC TNNNNNNNNNN NNNNNNNNNN NNNNNNNNNN	50
NNNNNNNNNN NACTTGAGCA AAATCACCTG CAGGGG	86

- (2) INFORMATION FOR SEQ ID NO: 2:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 25 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

CCCCTGCAGG TGATTTTGCT CAAGT	25
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- (2) INFORMATION FOR SEQ ID NO: 3:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 49 base pairs

(B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 CCGAAGCTTA ATACGACTCA CTATAGGGAT CCGCCTGATT AGCGATACT 49

(2) INFORMATION FOR SEQ ID NO: 4:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 84 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 ATCCGCCTGA TTAGCGATAC TAGGCTTGAC AAAGGGCACC ATGGCTTAGT 50
 GTGCCTAGTA CTTGAGCAAA ATCACCTGCA GGGG 84

(2) INFORMATION FOR SEQ ID NO: 5:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 85 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 ATCCGCCTGA TTAGCGATAC TCAGGGCACT GCAAGCAATT GTGGTCCCAA 50
 TGGGCTGAGT ACTTGAGCAA AATCACCTGC AGGGG 85

(2) INFORMATION FOR SEQ ID NO: 6:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
 ATCCGCCTGA TTAGCGATAC TCCAGGCAGT CATGGTCATT GTTTACAGTC 50
 GTGGAGTAGG TACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 7:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 85 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 ATCCGCCTGA TTAGCGATAC TAGGTGATCC CTGCAAGGC AGGATAACGT 50
 CCTGAGCATC ACTTGAGCAA AATCACCTGC AGGGG 85

(2) INFORMATION FOR SEQ ID NO: 8:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 83 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 ATCCGCCTGA TTAGCGATAC TATGTGATCC CTGCAGAGGG AGGANACGTC 50
 TGAGCATCAC TTGAGCAAAA TCACCTGCAG GGG 83

(2) INFORMATION FOR SEQ ID NO: 9:
 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 ATCCGCCTGA TTAGCGATAC TCACGTGATC CCATAAGGGC TGCGCAAAT 50
 AGCAGAGCAT CACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 10:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
 ATCCGCCTGA TTAGCGATAC TGGTGGACTA GAGGGCAGCA AACGATCCTT 50
 GGTTAGCGTC CACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 11:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 85 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 ATCCGCCTGA TTAGCGATAC TGGTGCACG AGGCTTACAC AAACGTACAC 50
 GTTTCCCCGC ACTTGAGCAA AATCACCTGC AGGGG 85

(2) INFORMATION FOR SEQ ID NO: 12:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 ATCCGCCTGA TTAGCGATAC TTGTGCGAGC AGGGGCGTAC GAAAACTTTA 50
 CAGTTCCCCC GACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 13:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 ATCCGCCTGA TTAGCGATAC TAGTGGAACA GGGCACGGAG AGTCAAACCTT 50
 TGGTTTCCCC CACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 14:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 ATCCGCCTGA TTAGCGATAC TGTGGGTAGG GATCGGTGGA TGCCTCGTCA 50
 CTTCTAGTCC CACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 15:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
 ATCCGCCTGA TTAGCGATAC TGGGCGCCCT AACAAAGGG TGGTCACTTC 50
 TAGTCCCAGG AACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 16:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 87 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
 ATCCGCCTGA TTAGCGATAC TTCCGGGCTC GGGATTCGTG GTCACCTTCA 50
 GTCCCGGATA TAACTTGAGC AAAATCACCT GCAGGGG 87

(2) INFORMATION FOR SEQ ID NO: 17:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 84 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
 ATCCGCCTGA TTAGCGATAC TATGGGAGGG CGGTTCTTC GTGGTTACTT 50
 TTAGTCCCGA CTTGAGCAAA ATCACCTGCA GGGG 84

(2) INFORMATION FOR SEQ ID NO: 18:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 84 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
 ATCCGCCTGA TTAGCGATAC TACGGGAGGG CACGTTCTTC GTGGTTACTT 50
 TTAGTCCCGA CTTGAGCAAA ATCACCTGCA GGGG 84

(2) INFORMATION FOR SEQ ID NO: 19:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
 ATCCGCCTGA TTAGCGATAC TGCTCGTAGG GGGCGATTCT TTCGCCGTTA 50
 CTTCCAGTCC TACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 20:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 86 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
 ATCCGCCTGA TTAGCGATAC TGAGGCATGT TAACATGAGC ATCGTCTCAC 50

GATCCTCAGC CACTTGAGCA AAATCACCTG CAGGGG

86

(2) INFORMATION FOR SEQ ID NO: 21:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 86 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:

ATCCGCCTGA TTAGCGATAC TCCACAGGCT ACGGCACGTA GAGCATCACC

50

ATGATCCTGT GACTTGAGCA AAATCACCTG CAGGGG

86

(2) INFORMATION FOR SEQ ID NO: 22:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 86 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

ATCCGCCTGA TTAGCGATAC TCGGGGCATG GCACATGAGC ATCTCTGATC

50

CCGCAATCCT CACTTGAGCA AAATCACCTG CAGGGG

86

(2) INFORMATION FOR SEQ ID NO: 23:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 86 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:

ATCCGCCTGA TTAGCGATAC TACCGGGCTA CTTCGTAGAG CATCTCTGAT

50

CCCGGTGCTC GACTTGAGCA AAATCACCTG CAGGGG

86

(2) INFORMATION FOR SEQ ID NO: 24:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 86 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

ATCCGCCTGA TTAGCGATAC TAAAGGGCGA ACGTAGGTCG AGGCATCCAT

50

TGGATCCCTT CACTTGAGCA AAATCACCTG CAGGGG

86

(2) INFORMATION FOR SEQ ID NO: 25:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 86 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:

ATCCGCCTGA TTAGCGATAC TACGGGCTCT GTCAGTGTGG CACTAGCAAT

50

AGTCCCGTCG CACTTGAGCA AAATCACCTG CAGGGG

86

(2) INFORMATION FOR SEQ ID NO: 26:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 85 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:
ATCCGCCTGA TTAGCGATAC TGGGCAGACC TTCTGGACGA GCATCACCTA 50
TGTGATCCCG ACTTGAGCAA AATCACCTGC AGGGG 85

(2) INFORMATION FOR SEQ ID NO: 27:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 86 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 27:
ATCCGCCTGA TTAGCGATAC TAGAGGGGAA GTAGGCTGCC TGACTIONGAGA 50
GAGTCCTCCC GACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 28:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 86 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 28:
ATCCGCCTGA TTAGCGATAC TAGGGGTGCG AAACACATAA TCCTCGCGGA 50
TTCCCATCGC TACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 29:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 83 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 29:
ATCCGCCTGA TTAGCGATAC TGGGGGGGCA ATGGCGGTAC CTCTGGTCCC 50
CTAAATACAC TTGAGCAAAA TCACCTGCAG GGG 83

(2) INFORMATION FOR SEQ ID NO: 30:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 85 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 30:
ATCCGCCTGA TTAGCGATAC TGCGGCTCAA AGTCCTGCTA CCCGCAGCAC 50
ATCTGTGGTC ACTTGAGCAA AATCACCTGC AGGGG 85

(2) INFORMATION FOR SEQ ID NO: 31:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 86 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 31:
ATCCGCCTGA TTAGCGATAC TTTGGGCGTG AATGTCCACG GGTACCTCCG 50
GTCCCAAAGA GACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 32:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 85 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32:
ATCCGCCTGA TTAGCGATAC TTCCGCGCAA GTCCCTGGTA AAGGGCAGCC 50
CTAACTGGTC ACTTGAGCAA AATCACCTGC AGGGG 85

(2) INFORMATION FOR SEQ ID NO: 33:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 86 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 33:
ATCCGCCTGA TTAGCGATAC TCAAGTTCCC CACAAGACTG GGGCTGTTCA 50
AACCGTAGT AACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 34:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 86 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:
ATCCGCCTGA TTAGCGATAC TCAAGTAGGG CGCGACACAC GTCCGGGCAC 50
CTAAGTCCC AACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 35:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 86 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35:
ATCCGCCTGA TTAGCGATAC TAAAGTCGTG CAGGGTCCCC TGGAAGCATC 50
TCCGATCCCA GACTTGAGCA AAATCACCTG CAGGGG 86

(2) INFORMATION FOR SEQ ID NO: 36:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 96 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:
GGGAGACAAG AAUAACGCUC AANNNNNNNN NNNNNNNNNN NNNNNNNNNN 50
NNNNNNNNNN NNNNNNNNNN NNUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 37:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 39 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:
TAATACGACT CACTATAGGG AGACAAGAAT AACGCTCAA 39

(2) INFORMATION FOR SEQ ID NO: 38:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleic acid

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:
GCCTGTTGTG AGCCTCCTGT CGAA 24

(2) INFORMATION FOR SEQ ID NO: 39:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 93 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:
GGGAGACAAG AAUAACGCUC AACGGUGGCA UUUCUUCACU UCCUUCUCGC 50
UUUCUCGCGU UGGGCNCGAU UCGACAGGAG GCUCACAACA GGC 93

(2) INFORMATION FOR SEQ ID NO: 40:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 91 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:
GGGAGACAAG AAUAACGCUC AACCAACCUU CUGUCGGCGU UGCUUUUUGG 50
ACGGCACUCA GGCUCCAUUC GACAGGAGGC UCACAACAGG C 91

(2) INFORMATION FOR SEQ ID NO: 41:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 95 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:
GGGAGACAAG AAUAACGCUC AAUCGAUCGG UUGUGUGCCG GACAGCCUUA 50
ACCAGGGCUG GGACCGAGGC CUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO: 42:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 92 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:
GGGAGACAAG AAUAACGCUC AACUGAGUAG GGGAGGAAGU UGAAUCAGUU 50
GUGGCGCCUC UCAUUCGCUU CGACAGGAGG CUCACAACAG GC 92

(2) INFORMATION FOR SEQ ID NO: 43:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 95 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:
 GGGAGACAAG AAUAACGCUC AACAGCACUU UCGCUUUUCA UCAUUUUUUC 50
 UUUCCACUGU UGGGCGCGGA AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO: 44:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 96 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:
 GGGAGACAAG AAUAACGCUC AAUCAGUGCU GGCGUCAUGU CUCGAUGGGG 50
 AUUUUUUCUUC AGCACUUUGC CAUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 45:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 96 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:
 GGGAGACAAG AAUAACGCUC AAUCUACUUU CCAUUUCUCU UUUCUUCUCA 50
 CGAGCGGGUU UCCAGUGAAC CAUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 46:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 94 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:
 GGGAGACAAG AAUAACGCUC AACGAUAGUG ACUACGAUGA CGAAGGCCGC 50
 GGGUUGGAUG CCCGCAUUGA UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 47:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 93 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:
 GGGAGACAAG AAUAACGCUC AAGUCGAUAC UGGCGACUUG CUCCAUUGGC 50
 CGAUUAACGA UUCGGUCAGU UCGACAGGAG GCUCACAACA GGC 93

(2) INFORMATION FOR SEQ ID NO: 48:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 95 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-F modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:

GGGAGACAAG AAUAACGCUC AAGUGCAAAC UUAACCCGGG AACCGCGCGU 50

UUCGAUCGAC UUUCCUUUCC AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO: 49:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 96 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-F modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:

GGGAGACAAG AAUAACGCUC AAAUUCGCGG UUCGGAUUAU UCCUGUGCUC 50

GGAAAUCGGU AGCCAUAGUG CAUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 50:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 94 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-F modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:

GGGAGACAAG AAUAACGCUC AACGAACGAG GAGGGAGUGG CAAGGGAUGG 50

UUGGAUAGGC UCUACGCUCA UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 51:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 94 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-F modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:

GGGAGACAAG AAUAACGCUC AAGCGAAACU GGCGACUUGC UCCAUUGGCC 50

GAUAUAACGA UUCGGUUAU UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 52:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 95 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-F modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:

GGGAGACAAG AAUAACGCUC AACGAACGAG GAGGGAGUCG CAAGGGAUGG 50

UUGGAUAGGC UCUACGCUCA AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO: 53:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 94 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:
 GGGAGACAAG AAUAACGCUC AACGAGAAGU GACUACGAUG ACGAAGGCCG 50
 CGGGUUGAAU CCCUCAUUGA UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 54:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 95 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:
 GGGAGACAAG AAUAACGCUC AAAAGCAACG AGACCUGACG CCUGAUGUGA 50
 CUGUGCUUGC ACCCGAUUCU GUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO: 55:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 95 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 55:
 GGGAGACAAG AAUAACGCUC AAGUGAUUCU CAUUCUCAU GCUUUCUCAC 50
 AACUUUUUCC ACUUCAGCGU GAUUCGACAG GAGGCUCACA CAGGC 95

(2) INFORMATION FOR SEQ ID NO: 56:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 94 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 56:
 GGGAGACAAG AAUAACGCUC AAAAGCAACG AGACUCGACG CCUGAUGUGA 50
 CUGUGCUUGC ACCCGAUUCU UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 57:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 96 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:
 GGGAGACAAG AAUAACGCUC AAUCGAUCGG UUGUGUGCCG GACAGCUUUG 50
 ACCAUGAGCU GGGACCGAGG CCUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 58:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 96 base pairs

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:
GGGAGACAAG AAUAACGCUC AANGACNGU GGACCUGACU AAUCGACUGA 50
UCAAGAUAUC CGCCAGAUG GGUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 59:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 94 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:
GGGAGACAAG AAUAACGCUC AACACUGCGA CUUGCAGAAG CCUUGUGUGG 50
CGGUACCCCC UUUGGCCUCG UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 60:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 94 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 60:
GGGAGACAAG AAUAACGCUC AAGGUGGCAU UUCUCAUUU UCCUUCUCGC 50
UUUCUCCGCC GUUGGGCGCG UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 61:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 96 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 61:
GGGAGACAAG AAUAACGCUC AACCUGAGUA GGGGGGAAAG UUGAAUCAGU 50
UGUGGCGCUC UACUCAUUCG CCUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 62:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 94 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-F modified
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 62:
GGGAGACAAG AAUAACGCUC AAGUCGAAAC UGGCGACUUG CUCCAUUGGC 50
CGAUUAUACG AUUCGGUUA UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 63:
(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 94 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 63:
 GGGAGACAAG AAUAACGCUC AAGCGAUACU GGCGACUUGC UCCAUUGGCC 50
 GAUAUAACGA UUCGGCUCAG UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 64:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 96 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 64:
 GGGAGACAAG AAUAACGCUC AAACGUGGGG CACAGGACCG AGAGUCCUC 50
 CGGCAAUAGC CGCUACCCCA CCUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 65:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 98 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 65:
 GGGAGACAAG AAUAACGCUC AACACAGCCU NANAGGGGGG AAGUUGAAUC 50
 AGUUGUGGCG CUCUACUCAU UCGCUUCGAC AGGAGGCUCA CAACAGGC 98

(2) INFORMATION FOR SEQ ID NO: 66:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 94 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 66:
 GGGAGACAAG AAUAACGCUC AAANGGGNUA UGGUGACUUG CUCCAUUGGC 50
 CGAUUAACG AUUCGGUCAG UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 67:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 96 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:
 GGGAGACAAG AAUAACGCUC AACCUGCGUA GGGNGGGAAG UUGAAUCAGU 50
 UGUGGCGCUC UACUCAUUCG CCUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO: 68:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 94 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68:
 GGGAGACAAG AAUAACGCUC AACGAACGAG GAGGGAGUGG CAAGGGAUGG 50
 UUGGAUAGGC UCUACGCUCA UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO: 69:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 97 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:
 GGGAGACAAG AAUAACGCUC AAGUGCAAAC UUAACCCGGG AACCGCGCGU 50
 UUCGAUUCGC UUUCCNUAUU CCAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO: 70:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 93 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 70:
 GGGAGACAAG AAUAACGCUC AACGAACGAG GAGGGAGUGG CAAGGGACGG 50
 UNNAUAGGCU CUACGCUCAU UCGACAGGAG GCUCACAACA GGC 93

(2) INFORMATION FOR SEQ ID NO: 71:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 93 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71:
 GGGAGACAAG AAUAACGCUC AAUCGGUGUG GCUCAGAAAC UGACACGCGU 50
 GAGCUUCGCA CACAUCUGCU UCGACAGGAG GCUCACAACA GGC 93

(2) INFORMATION FOR SEQ ID NO: 72:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 95 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: RNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 72:
 GGGAGACAAG AAUAACGCUC AAUAUCGCUU UUCAUCAAU CCACUUUUUC 50
 ACUCUNUAAC UUGGGCGUGC AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO: 73:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 96 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 73:

GGGAGACAAG AAUAACGCUC AAGUGCAAAC UUAACCCGGG AACCGCGCGU	50
UUCGAUCCUG CAUCCUUUUU CCUUCGACAG GAGGUCACA ACAGGC	96

(2) INFORMATION FOR SEQ ID NO: 74:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 93 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 74:

GGGAGACAAG AAUAACGCUC AAUCGNUCGG UUGUGUGCCG GCAGCUUUGU	50
CCAGCGUUGG GCCGAGGCCU UCGACAGGAG GCUCACAACA GGC	93

(2) INFORMATION FOR SEQ ID NO: 75:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 95 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 75:

GGGAGACAAG AAUAACGCUC AAAGUACCCA UCUCAUUUU UCCUUUCCUU	50
UCUUCAAGGC ACAUUGAGGG UUUCGACAGG AGGCUCACAA CAGGC	95

(2) INFORMATION FOR SEQ ID NO: 76:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 97 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 76:

GGGAGACAAG AAUAACGCUC AACUGAGUA GGGGGGAAG UUGAACAGU	50
UGUGGCGGCC UACUCAUUCN CCAUUCGACA GGAGGCUCAC AACAGGC	97

(2) INFORMATION FOR SEQ ID NO: 77:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 94 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 77:

GGGAGACAAG AAUAACGCUC AACNNCCUN CUGUCGGCGC UUGUCUUUUU	50
GGACGGGCAA CCCAGGGCUC UUCGACAGGA GGCUCACAAC AGGC	94

(2) INFORMATION FOR SEQ ID NO: 78:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 96 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 78:

GGGAGACAAG AAUAACGCUC AACCAACCUN CUGUCGGCGC UUGUCUUUUU	50
GGACGAGCAA CUCAAGGCUC GUUUCGACAG GAGGCUCACA ACAGGC	96

(2) INFORMATION FOR SEQ ID NO: 79:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 93 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 79:

GGGAGACAAG AAUAACGCUC AACCAGCGCA GAUCCGGGC UGAAGUGACU	50
GCCGCAACG GCCGCUCCAU UCGACAGGAG GCUCACAACA GGC	93

(2) INFORMATION FOR SEQ ID NO: 80:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 96 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:

GGGAGACAAG AAUAACGCUC AAUCCCGUA ACAACUUUUC AUUUUCACUU	50
UUCAUCCAAC CAGUGAGCAG CAUUCGACAG GAGGCUCACA ACAGGC	96

(2) INFORMATION FOR SEQ ID NO: 81:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 96 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: RNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: All pyrimidines are 2'-F modified
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:

GGGAGACAAG AAUAACGCUC AAUAUCGCUU UCAUCAAAU CCACUCCUUC	50
ACUUCUUUAA CUUGGGCGUG CAUUCGACAG GAGGCUCACA ACAGGC	96

(2) INFORMATION FOR SEQ ID NO: 82:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 23 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA
- (ix) FEATURE:
 - (D) OTHER INFORMATION: N at positions 1 and 23 is any base pair.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: N at positions 5 and 10 is any base pair.

(ix) FEATURE:
 (D) OTHER INFORMATION: N at positions 6 and 9 is any base pair.

(ix) FEATURE:
 (D) OTHER INFORMATION: N at positions 7 and 8 is any base pair.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:
 NGGCNNNNNN GRKYAYYRRT CCN 23

(2) INFORMATION FOR SEQ ID NO: 83:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 38 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 38 is an inverted orientation T
 (3'-3'-linked)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:
 TGGGAGGGCG CGTCTTCGT GGTACTTTT AGTCCCGT 38

(2) INFORMATION FOR SEQ ID NO: 84:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T
 (3'-3'-linked)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 84:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 85:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 45 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 45 is an inverted orientation T
 (3'-3'-linked)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 85:
 TACTCAGGGC ACTGCAAGCA ATTGTGGTCC CAATGGGCTG AGTAT 45

(2) INFORMATION FOR SEQ ID NO: 86:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 36 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 11, 25 and 26 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 10, 17, 19 and 35 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 22 and 34 is 2'-fluoro-

2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 8, 23, 32 and 33 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:
 CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT 36

(2) INFORMATION FOR SEQ ID NO: 87:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 32 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 15, 17 and 31 is 2'-O-methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 22 is 2'-O-methyl-2'-deoxyadenine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 8, 21, 28 and 29 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: N at positions 10 and 23 is hexaethylene glycol phosphoramidite spacer.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 87:
 CAGGCUACGN CGTAGAGCAU CANTGATCCU GT 32

(2) INFORMATION FOR SEQ ID NO: 88:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 39 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 39 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 88:
 CAGTCCGTGG TAGGGCAGGT TGGGGTGA CT TCGTGAAT 39

(2) INFORMATION FOR SEQ ID NO: 89:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 37 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: T at positions 13, 14, 16 and 17 is substituted with IdU.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 89:
 TGGGAGGGCG CGTTCCTCGT GGTTACTTTT AGTCCCG 37

(2) INFORMATION FOR SEQ ID NO: 90:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 37 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: T at position 20 is substituted with IdU.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 90:
 TGGGAGGGCG CGTTCTTCGT GGTACTTTT AGTCCCG 37

(2) INFORMATION FOR SEQ ID NO: 91:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 37 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: T at position 23 is substituted with IdU.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 91:
 TGGGAGGGCG CGTTCTTCGT GGTACTTTT AGTCCCG 37

(2) INFORMATION FOR SEQ ID NO: 92:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 37 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: T at position 24 is substituted with IdU.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 92:
 TGGGAGGGCG CGTTCTTCGT GGTACTTTT AGTCCCG 37

(2) INFORMATION FOR SEQ ID NO: 93:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 37 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: T at position 27 is substituted with IdU.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 93:
 TGGGAGGGCG CGTTCTTCGT GGTACTTTT AGTCCCG 37

(2) INFORMATION FOR SEQ ID NO: 94:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 37 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: T at positions 28-30 is substituted with IdU.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:
 TGGGAGGGCG CGTTCTTCGT GGTACTTTT AGTCCCG 37

(2) INFORMATION FOR SEQ ID NO: 95:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 37 base pairs
 (B) TYPE: nucleic acid

(C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: T at position 33 is substituted with IdU.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 95:
 TGGGAGGGCG CGTTCTTCGT GGTACTTTT AGTCCCG 37

(2) INFORMATION FOR SEQ ID NO: 96:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 7 amino acids
 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: Peptide
 (ix) FEATURE:
 (D) OTHER INFORMATION: Xaa at position 5 is a modified amino acid
 that could not be identified.
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 96:
 Lys Lys Pro Ile Xaa Lys Lys
 5

(2) INFORMATION FOR SEQ ID NO: 97:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 1 and 3 is 2'-O-Methyl-
 2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 2 is 2'-O-Methyl-2'-
 deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 37 and 39 is 2'-O-Methyl-2'-
 deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at position 38 is 2'-O-Methyl-2'-
 deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T
 (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGUGT 40

(2) INFORMATION FOR SEQ ID NO: 98:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 10, 13 and 15 is 2'-O-
 Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 11, 12 and 16 is 2'-O-
 Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 14 is 2'-O-Methyl-2'-
 deoxyadenosine.
 (ix) FEATURE:

(D) OTHER INFORMATION: U at position 17 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 98:

CACAGGCTAC GGCACGUAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 99:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 26 and 29 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 27 and 28 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at position 30 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:

CACAGGCTAC GGCACGTAGA GCATCACCAU GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 100:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 1, 3, 10, 13, 15, 27, and 28 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 2, 14, 26 and 29 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 11, 12 and 16 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 17 and 30 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 100:

CACAGGCTAC GGCACGUAGA GCATCACCAU GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 101:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 25, 27 and 28 is 2'-O-

Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 26 and 29 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 101:

CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT

40

(2) INFORMATION FOR SEQ ID NO: 102:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 4 and 9 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 5 and 6 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at position 7 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at position 8 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 102:

CACAGGCUAC GGCACGTAGA GCATCACCAT GATCCTGTGT

40

(2) INFORMATION FOR SEQ ID NO: 103:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

(D) OTHER INFORMATION: G at position 31 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at position 32 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 33 and 36 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 34 and 35 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 103:

CACAGGCTAC GGCACGTAGA GCATCACCAT GAUCCUGTGT

40

(2) INFORMATION FOR SEQ ID NO: 104:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 17 and 24 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 23 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 104:
 CACAGGCTAC GGCACGUAGA GCAUCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 105:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 19 and 21 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 20 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 22 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 105:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 106:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 20 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at position 21 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 22 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 106:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 107:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(ix) FEATURE:
(D) OTHER INFORMATION: G at positions 12 and 16 is 2'-O-Methyl-2'-deoxyguanosine.
(ix) FEATURE:
(D) OTHER INFORMATION: C at positions 13 and 15 is 2'-O-Methyl-2'-deoxycytidine.
(ix) FEATURE:
(D) OTHER INFORMATION: A at position 14 is 2'-O-Methyl-2'-deoxyadenosine.
(ix) FEATURE:
(D) OTHER INFORMATION: U at position 17 is 2'-O-Methyl-2'-deoxyuridine.
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107:
CACAGGCTAC GGCACGUAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 108:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 40 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(ix) FEATURE:
(D) OTHER INFORMATION: C at positions 10 and 13 is 2'-O-Methyl-2'-deoxycytidine.
(ix) FEATURE:
(D) OTHER INFORMATION: G at positions 11 and 12 is 2'-O-Methyl-2'-deoxyguanosine.
(ix) FEATURE:
(D) OTHER INFORMATION: A at position 14 is 2'-O-Methyl-2'-deoxyadenosine.
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:
CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 109:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 40 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA
(ix) FEATURE:
(D) OTHER INFORMATION: C at positions 1 and 3 is 2'-O-Methyl-2'-deoxycytidine.
(ix) FEATURE:
(D) OTHER INFORMATION: A at positions 2 and 4 is 2'-O-Methyl-2'-deoxyadenosine.
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 109:
CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 110:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 36 and 38 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 37 and 39 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 110:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCUGUGT 40

(2) INFORMATION FOR SEQ ID NO: 111:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 7 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 111:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 112:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 22 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 112:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 113:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 25 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 113:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 114:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 34 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 114:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 115:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 35 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 115:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 116:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at position 8 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 116:
 CACAGGCUAC GGCACGTAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 117:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at position 17 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 117:
 CACAGGCTAC GGCACGUAGA GCATCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 118:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:

(D) OTHER INFORMATION: U at position 24 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 118:
CACAGGCTAC GGCACGTAGA GCAUCACCAT GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 119:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: U at position 30 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 119:
CACAGGCTAC GGCACGTAGA GCATCACCAU GATCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 120:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: U at position 33 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 120:
CACAGGCTAC GGCACGTAGA GCATCACCAT GAUCCTGTGT 40

(2) INFORMATION FOR SEQ ID NO: 121:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 7, 22, 25, 34 and 35 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 8, 17, 24, 33 and 36 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 121:
CACAGGCUAC GGCACGUAGA GCAUCACCAT GAUCCUGTGT 40

(2) INFORMATION FOR SEQ ID NO: 122:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 10, 13, 27 and 28 is 2'-O-

Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 11, 12, 37 and 39 is 2'-O-

Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 14, 26 and 29 is 2'-O-

Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at position 34 is 2'-fluoro-2'-

deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at position 38 is 2'-O-Methyl-2'-

deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T

(3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 122:

CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCTGUGT

40

(2) INFORMATION FOR SEQ ID NO: 123:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 10, 13, 25, 27 and 28 is 2'-

O-Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 11, 12, 37 and 39 is 2'-O-

Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 14, 26 and 29 is 2'-O-

Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at position 34 is 2'-fluoro-2'-

deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 36 and 38 is 2'-O-Methyl-2'-

deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T

(3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 123:

CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCUGUGT

40

(2) INFORMATION FOR SEQ ID NO: 124:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 40 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 8 and 24 is 2'-fluoro-2'-

deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 10, 13, 27 and 28 is 2'-O-

Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 11, 12, 37 and 39 is 2'-O-

Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 14, 26 and 29 is 2'-O-

Methyl-2'-deoxyadenosine.

(ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 25, 34 and 35 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 36 and 38 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 124:
 CACAGGCUAC GGCACGTAGA GCAUCACCAT GATCCUGUGT 40

(2) INFORMATION FOR SEQ ID NO: 125:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 10, 13, 25, 27 and 28 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 11, 12, 37 and 39 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 14, 26 and 29 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 34 and 35 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 36 and 38 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 125:
 CACAGGCTAC GGCACGTAGA GCATCACCAT GATCCUGUGT 40

(2) INFORMATION FOR SEQ ID NO: 126:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 40 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at position 8 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 10, 13, 25, 27 and 28 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 11, 12, 37 and 39 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 14, 26 and 29 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 34 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 36 and 38 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 40 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126:
CACAGGCUAC GGCACGTAGA GCATCACCAT GATCCUGUGT

40

(2) INFORMATION FOR SEQ ID NO: 127:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 36 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 6 and 22 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 8, 11, 25 and 26 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 9, 10, and 35 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 23, 32 and 33 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at position 34 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 127:
CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT

36

(2) INFORMATION FOR SEQ ID NO: 128:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 34 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 6 and 20 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 7, 10, 23 and 24 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 8, 9, and 33 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: A at positions 11, 22 and 25 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 21, 30 and 31 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at position 32 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 34 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 128:
CAGGCUCGGC ACGAGAGCAU CACCATGATC CUGT

34

(2) INFORMATION FOR SEQ ID NO: 129:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 32 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at positions 6 and 20 is 2'-fluoro-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 7, 10, 22 and 23 is 2'-O-Methyl-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: G at positions 8, 9, and 31 is 2'-O-Methyl-2'-deoxyguanosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: A at positions 11 and 24 is 2'-O-Methyl-2'-deoxyadenosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 21, 28 and 29 is 2'-fluoro-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at position 30 is 2'-O-Methyl-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 129:

CAGGCUCGGC ACGAGAGCAU CCCAGATCCU GT
32

(2) INFORMATION FOR SEQ ID NO: 130:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 36 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 8, 11, 23, 25, 26, 32 and 33 is 2'-O-Methyl-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: G at positions 9, 10, and 35 is 2'-O-Methyl-2'-deoxyguanosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at position 6 is 2'-fluoro-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at positions 22 and 34 is 2'-O-Methyl-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 130:

CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT
36

(2) INFORMATION FOR SEQ ID NO: 131:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 36 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 5, 8, 11, 23, 25, 26, 32 and 33 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 22 and 34 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 7, 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 10, and 35 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 131:
 CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT 36

(2) INFORMATION FOR SEQ ID NO: 132:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 36 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 5, 8, 11, 23, 25, 26, 32 and 33 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 22 and 34 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 12, 18, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 10, and 35 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 132:
 CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT 36

(2) INFORMATION FOR SEQ ID NO: 133:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 36 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 5, 8, 11, 23, 25, 26, 32 and 33 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 22 and 34 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 10, 19 and 35 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 133:

(2) INFORMATION FOR SEQ ID NO: 134:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 36 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at positions 6 and 22 is 2'-fluoro-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 8, 11, 25 and 26 is 2'-O-Methyl-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: G at positions 9, 10, 19 and 35 is 2'-O-Methyl-2'-deoxyguanosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 23, 32 and 33 is 2'-fluoro-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at position 34 is 2'-O-Methyl-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 134:

CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT

36

(2) INFORMATION FOR SEQ ID NO: 135:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 36 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at positions 6 and 22 is 2'-fluoro-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 8, 11, 20, 25 and 26 is 2'-O-Methyl-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: G at positions 9, 10, 19 and 35 is 2'-O-Methyl-2'-deoxyguanosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 23, 32 and 33 is 2'-fluoro-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at position 34 is 2'-O-Methyl-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 135:

CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT

36

(2) INFORMATION FOR SEQ ID NO: 136:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 36 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6 and 22 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 8, 11, 20, 25 and 26 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 10, 17, 19 and 35 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 23, 32 and 33 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at position 34 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 136:
 CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT 36

(2) INFORMATION FOR SEQ ID NO: 137:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 36 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6 and 22 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 8, 11, 25 and 26 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 10, 17, 19 and 35 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 23, 32 and 33 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at position 34 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 137:
 CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT 36

(2) INFORMATION FOR SEQ ID NO: 138:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 36 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6 and 22 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:
 (D) OTHER INFORMATION: A at positions 7, 12, 24 and 27 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 8, 11, 25 and 26 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 10, 17, 19 and 35 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 23, 32 and 33 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:
 (D) OTHER INFORMATION: U at position 34 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 138:
 CAGGCUACGG CACGTAGAGC AUCACCATGA TCCUGT 36

(2) INFORMATION FOR SEQ ID NO: 139:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 32 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6 and 20 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:
 (D) OTHER INFORMATION: C at position 8 is 2'-O-Methyl-2'-deoxycytidine.

(ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:
 (D) OTHER INFORMATION: S at positions 10 and 23 is a hexaethyleneglycol spacer.

(ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 21, 28 and 29 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:
 (D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:
 (D) OTHER INFORMATION: U at position 30 is 2'-O-Methyl-2'-deoxyuridine.

(ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 139:
 CAGGCUACGS CGTAGAGCAU CASTGATCCU GT 32

(2) INFORMATION FOR SEQ ID NO: 140:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 32 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 6 and 20 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at position 8 is 2'-O-Methyl-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 15, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: S at positions 10 and 23 is a hexaethyleneglycol spacer.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 21, 28 and 29 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at position 30 is 2'-O-Methyl-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 140:
 CAGGCUACGS CGTAGAGCAU CASTGATCCU GT 32

(2) INFORMATION FOR SEQ ID NO: 141:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 36 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 36 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 141:
 CAGGCTACGG CACGTAGAGC ATCACCATGA TCCTGT 36

(2) INFORMATION FOR SEQ ID NO: 142:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 32 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 8, 21, 28 and 29 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 15, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:
 (D) OTHER INFORMATION: S at positions 10 and 23 is a hexaethyleneglycol spacer.

(ix) FEATURE:
 (D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 142:
 CAGGCUACGS CGTAGAGCAU CASTGATCCU GT 32

(2) INFORMATION FOR SEQ ID NO: 143:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 32 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 8, 21, 28 and 29 is 2'-fluoro-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: G at positions 9, 15, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: N at positions 10 and 23 is a hexaethyleneglycol spacer.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 143:

32

(2) INFORMATION FOR SEQ ID NO: 144:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 32 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ix) FEATURE:
 - (D) OTHER INFORMATION: G at positions 3, 4, 12, and 25 is 2'-O-Methyl-2'-deoxyguanosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: U at positions 6, 20 and 27 is 2'-fluoro-2'-deoxyuridine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: N at positions 10 and 23 is a hexaethyleneglycol spacer.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 11, 18, 21 and 29 is 2'-fluoro-2'-deoxycytidine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: A at position 16 is 2'-O-Methyl-2'-deoxyadenosine.
- (ix) FEATURE:
 - (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 144:

32

(2) INFORMATION FOR SEQ ID NO: 145:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 32 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ix) FEATURE:
 - (D) OTHER INFORMATION: C at positions 4, 8, 21 and 29 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 5, 9, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: N at positions 10 and 23 is a hexaethylene glycol phosphoramidite.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 145:
 CAGCGUACGN CGTACCGATU CANTGAAGCU GT 32

(2) INFORMATION FOR SEQ ID NO: 146:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 32 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 8, 21, 28, and 29 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 9, 15, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: N at positions 10 and 23 is a hexaethylene glycol phosphoramidite.
 (ix) FEATURE:
 (D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 146:
 CAGGCUACGN CGTAGAGCAU CANTGATCCU GT 32

(2) INFORMATION FOR SEQ ID NO: 147:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 32 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ix) FEATURE:
 (D) OTHER INFORMATION: C at positions 4, 8, 21 and 29 is 2'-fluoro-2'-deoxycytidine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: G at positions 5, 9, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.
 (ix) FEATURE:
 (D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.
 (ix) FEATURE:

(D) OTHER INFORMATION: N at positions 10 and 23 is a hexaethylene glycol phosphoramidite.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 147:

CAGCGUACGN CGTACCGATU CANTGAAGCU GT

32

(2) INFORMATION FOR SEQ ID NO: 148:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 32 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 8, 21, 28 and 29 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 9, 15, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: S at positions 10 and 23 is a hexaethyleneglycol spacer.

(ix) FEATURE:

(D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 148:

CAGGCUACGS CGTAGAGCAU CASTGATCCU GT

32

(2) INFORMATION FOR SEQ ID NO: 149:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 32 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ix) FEATURE:

(D) OTHER INFORMATION: C at positions 4, 8, 21 and 29 is 2'-fluoro-2'-deoxycytidine.

(ix) FEATURE:

(D) OTHER INFORMATION: G at positions 5, 9, 17, and 31 is 2'-O-Methyl-2'-deoxyguanosine.

(ix) FEATURE:

(D) OTHER INFORMATION: U at positions 6, 20 and 30 is 2'-fluoro-2'-deoxyuridine.

(ix) FEATURE:

(D) OTHER INFORMATION: N at positions 10 and 23 is a hexaethyleneglycol spacer.

(ix) FEATURE:

(D) OTHER INFORMATION: A at position 22 is 2'-O-Methyl-2'-deoxyadenosine.

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotide 32 is an inverted orientation T (3'-3'-linked).

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 149:

CAGCGUACGN CGTACCGATU CANTGAAGCU GT

32